

DPD-0902-61

COPY 1 OF 1

USAF Declass/Release Instructions On File

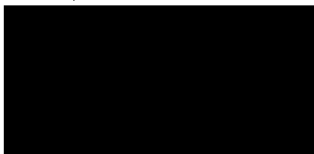
February 8, 1961

File No.: HD-P-159

Subject: FAK Summary - MK I
and MK II

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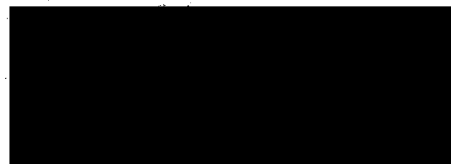


Dear Jim:

Enclosed is a summary of our items in the MK I and MK II FAK systems. Each item is checked to show whether it is used in the MK I or MK II system, or a MK I item in the MK II FAK system (refers to note 3. items). Also, all items that we believe to be obsolete are checked, and a reference or reason is given. A few items that we believe should be added to FAK are also listed.

Any comments or suggestions, pertaining to this FAK summary, will be greatly appreciated.

Sincerely,



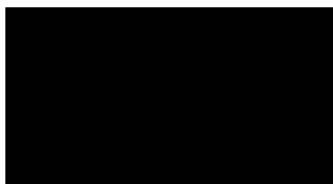
Field Service Administrator

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POM:hmd
Enclosure

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Part Number	Description	Note			Obsolete	Refer
		MK I	3	MK II		
038-8656	Source Lamp	X		X		
151-0018	Guide-Roller Assembly	X				
151-0046	Roller Guide Assembly	X				
151-0051	Change Gear Assembly 40T	X		X		
151-0052	Change Gear Assembly 60T	X	X	X		
151-0053	Change Gear Assembly 80T	X		X		
151-0054	Change Gear Assembly 96T	X		X		
151-0057	Change Gear Assembly 24T	X		X		
151-0058	Prism Assembly	X		X		
151-0070	Band Brake Assembly	X	X	X	X	S/B T-15
151-0077	Roller and Bearing Assembly	X				
151-0123	Dome Assembly	X	X	Not Req'd		
151-0151	Desiccator Assembly	X		X		
151-1062	Pawl Ratchet	X	X	X		
151-1063	Ratchet	X				
151-1066	Catch, Sprocket	X		X	X	S/B T-7, T-17
151-1067	Stop, Ratchet	X		X	X	S/B T-7 T-17
151-1332	Stud, Dome	X	X	X		
151-1359A	Spring, Tension Arm	X		X		
151-1369	Vert. Indicator Mask S.W. (.26)	X	X	X		
151-1370	Vert. Indicator Mask S.W. (.13)	X				
151-1371	Vert. Indicator Mask (.065)	X				
151-2157	Lamp, Dialight No. 327 (GE)	X	X	X		
151-2159	Actuator, Micro JV20	X	X	X		
151-2160	Switch, Micro V3-1	X	X	X		
151-2166	Gasket, O Ring AN 6227-B4	X	X	X		
151-2168	Gasket, O Ring AN6230-B4	X	X	X		
151-2183	Fuse, 4 AMP, Bussman MDL-4	X	X	X		
151-2188	Oil, Lubricating, Lehigh Chem. L401	X	X	X		
151-2189	Grease, Lubricating, MIL-G-15793 Anderol L793	X	X	X		
151-2190	Moly-Z-Powder-Lockrey Co.	X	X	X		
151-2191	Methyl Alcohol, C.P.	X	X	X	X	S/B D-9
151-2192	Carbon Tetrachloride	X	X	X		
151-2194	Brush, Cosmetic, Maybelline Co.	X				
151-2195	Absorbent Cotton Balls, J & J or Red Cross	X	X	X		
151-2196	Pipe Cleaners - Dill or U.S. Tobacco Co.	X	X	X		
151-2200	Tape, Insulating, 3M No. 33	X	X	X		
151-2202	Tape, Masking, 3M No. 202	X	X	X		
151-2203	Sheets, Lens Tissue 9 x 15 No. 51	X	X	X		
151-2207	Solder, Kester Rosin Core 16 AWG 60/40	X				
152-1105	Adapter, Flexible Shaft	X				
152-1229	Locking Cone, Pot Small alpha & V/H	X	X		X	Note 1)
151-2161	Switch, Micro	X	X	X		
151-2201	Tape, Masking 3M No. 202	X	X	X		
151-1061	Spring, Pawl			X		

Part Number	Description	MK I	MK II	Obsolete	Refer
152-1330	Gear, V/H Pot 22T	X	X	X	Note 1)
152-1334	Gear, Alpha Pot 45T	X	X	X	Note 1)
152-1341	Locking Nut, Pot V/H and alpha	X	X	X	Note 1)
152-1406	Boot	X	X	X	Note 1)
152-1411	Friction Inserts (.06)	X	X	X	Note 1)
152-1412	Friction Inserts (.09)	X	X	X	Note 1)
152-1456	Socket, Press-to-test AN3157-3	X		X	Note 1)
152-1459	Knob-Mode Switch No. 70-4-2G (Raytheon)	X		X	Note 1)
152-1461	Panel, Control	X	X	X	Note 1)
152-5000	Motor-power changer No. 5A1219 27V.D.C.	X			
501-0044	Gear Box Assembly	X	X	X	
501-0045	Metering Motor	X	X	X	
501-0047	Solenoid	X	X	X	
501-0060	Scan Motor	X	X	X	
501-1005	Bearing, Ball, New Departure R-3	X		X	
501-1028	Gasket, O Ring AN6227-B1	X		X	
501-1029	Gasket, O Ring MS295-13-123	X	X	X	
501-1075	Relay, Magnecraft 33HSX-89	X	X	X	
501-1076	Magnecraft Latching Relay 11LHTX4	X	X	X	
501-1242	Ring, Retaining W.K. No. 5108-106	X	X	X	
501-1267	Relay, Thermal Time Delay	X	X	X	
522-0052	Clock Heater Assy.	X	X		
522-0054-1	Cam, .006	X	X		
522-0054-2	Cam, .012	X	X		
522-0054-3	Cam, .024	X	X		
522-0054-4	Cam, .047	X	X		
522-0054-5	Cam, .096	X	X		
522-0054-6	Cam, .188	X	X		
522-0064	Lever Metering Sprocket	X		X	S/B T-17
522-0080	Mini-Joint Universal	X			
522-1002	Relay, G.E.	X	X		
522-1095	Cam - 1E Top	X	X		
522-1096	Cam - 1E Bottom	X	X		
522-1097	Cam - 4W Top	X	X		
522-1098	Cam - 4W Bottom	X	X		
522-1099	Cam - 1W - Top	X	X		
522-1100	Cam - 1W - Bottom	X	X		
522-1101	Cam - 4E - Top	X	X		
522-1102	Cam - 4E - Bottom	X	X		
522-1105	Spring, Ratchet Stop	X		X	
522-1106	Spring, Lever Metering	X		X	
522-1107	Spring, Lever Metering	X		X	
522-1108	Spring, Sprocket Catch	X		X	
522-1113	Cam - 2E - Top	X	X		
522-1114	Cam - 2-E-Bottom	X	X		
522-1115	Cam - 2W - Top	X	X		
522-1116	Cam - 2W - Bottom	X	X		
522-1117	Cam - 3E - Top	X	X		
522-1118	Cam - 3E - Bottom	X	X		
522-1119	Cam - 3W - Top	X	X		
522-1120	Cam - 3W - Bottom	X	X		
522-1123	Cam Switch Delay	X		X	
522-1128	Switch Micro Metering B27RW2T04	X		X	S/B T-11 T-8
HK731302-9	Lamp GE 334	X	X	X	
HK731450	Time Indicator	X	X		Modified into 501- 0096
PE-1004	Ring, Retaining WK #5100-18	X	X	X	

Part Number	Description	Note		Obsolete	Refer
		MKI	3		
PE-1006	Ring, Retaining WK #5100-37	X		X	
PE-1007	Ring, Retaining WK #5133-18	X		X	
PE-1008	Ring, Retaining WK #5133-12	X		X	
PE-1009	Ring, Retaining WK #5133-21	X		X	
PE-1010	Ring, Retaining WK #5133-25	X		X	
PE-1011	Pin Dowel 1/16D x 5/32 Pic D3-156	X	X		
PE-1012	Pin Dowel 1/16D x 3/16 Pic D3-187	X	X		
PE-1013	Pin Dowel 1/16D x 7/32 Pic D3-218	X	X		
PE-1014	Pin Dowel 1/16D x 1/4 Pic D3-250	X	X		
PE-1015	Pin Dowel 1/16D x 3/8 Pic D3-375	X	X		
PE-1016	Pin Dowel 3/32D x 3/16 Pic D4-187	X	X		
PE-1017	Pin Dowel 3/32D x 7/32 Pic D4-218	X	X		
PE-1018	Pin Dowel 3/32D x 1/4 Pic D4-250	X	X		
PE-1019	Pin Dowel 3/32D x 3/4 Pic D4-750	X	X		
PE-1020	Pin Dowel 1/8D x 1/4 Pic D5-250	X	X		
PE-1021	Pin Dowel 1/8D x 1/2 Pic D5-500	X	X		
PE-1023	Pin, Taper 8/OD x 3/8 Pic C-2-1	X	X		
PE-1024	Gasket, O Ring AN 902-63	X	X		
PE-1029	Pin, Roll ESNA 59-012-062-0187	X	X		
PE-1047	Switch, Micro 12TS1-2	X		X	S/B T-14
PE-1049	Switch, Micro 1P35	X		X	"
PE-2000	Bulb, Press to List #313 (GE)	X		X	Note 162
PE-2001	Bulb, Panel Light AN3140-327	X		X	"
PE-2002	Wire, Boot	X		X	"
PE-2003	Resistor, Motor-No. 5-350 ("Axiohm")	X		X	"
PE-2005-1	Actuator W/JS-5	X		X	
PE-2005	Switch Limit #1SM1-Micro	X		X	
PE-2006	Connector, Power Change #HM4D-LR (Winches-ter)	X		X	
151-0158	Clamp Roll Pin Extractor	X	X	X	Replaced by 522-0116
151-1441	Fixture Mirror Adjustable	X	X		
151-1458	Fixture, Prism Adjusting	X	X	X	
151-1459	Wrench, Box Hose Fitting	X			
151-1472	Screwdriver Slotted	X			
151-1482	Wrench, Open End 3/8 x 7/16 (Mod.)	X			
152-1572	Tachometer, Assy.	X			
152-1573	Multimeter, Portable W/Case #369	X			
162-0002	Collimator 100EFL	X			
162-0049	Box, Test Tracking Control	X		X	Note 1)
522-0075	Box, Test MK 1A Tracker	X	X	X	S/B T-14 & P.L. 61-19
522-0078	Fixtures, Program Cam	X	X		
151-0043	Disc, Clutch Sub Assy.			X	
151-0096	Photocell			X	
151-0112	Actuator, Special	X		X	Added to MK I
151-0122	Motor, Aperture			X	
151-0126	Power Cable			X	
151-1034	Spring			X	
151-1068	Spring, Ratchet Stop			X	
151-1069	Spring, Sprocket Catch			X	X S/B T-7
151-1097	Spring, Guide Roller (Left)			X	X S/B T-7
151-1160	Pin, Ball Point			X	
151-1161	Shaft, Cam			X	
151-1191	Spring, Clutch			X	
151-1192	Spring			X	

Part Number	Description	MK I	MK II	Obsolete	Refer
151-1205	Spring, Ratchet Stop		X	X	S/B T-7
151-1209	Spring, Stop		X	X	S/B T-7
151-1212	Spring, Guide Roller (Right)		X		
151-1233	Spring, IMC, Lever		X		
151-1261-1	Spring, IMC, Dial		X		
151-1261-2	Spring, IMC, Dial		X		
151-1314	Spring, Brake Lever		X		
151-2146	Capacitor 250 Mfd. 50 VDC Electrolytic		X		
151-2148	Diode, Germanium GE IN93		X		
151-2152	Resistor, Variable "Manual" 1K		X		
151-2153	Resistor, Variable Sensitivity 10K		X		
151-2158	Switch, Push Button		X		
151-2163	Transistor-2N35		X		
151-2167	Gasket O Ring AN6230 B-24		X		
151-2173	Receptacle, United Carr 99871-C-089		X		
151-2174	Stud, United Carr, Fl. Hd. 98264-3-280		X		
151-2175	Stud, United Carr, Rd. Hd. 98293-3-280		X		
151-2176	Stud, United Carr, W98193-3-280		X		
151-2177	Receptacle, United Carr, 99808		X		
151-2179	Gasket, 1/8 Dia. Sponge Rubber		X		
151-2180	Switch Toggle DPST "Power"		X		
151-2187	Gasket, O Ring AN6230-B38		X		
151-2197	Liquid Detergent (Joy)		X		
151-2198	"Q" Tips FAK		X		
151-2204	Anti-Static Compound, Merix Chemical Co.		X		
151-2205	Pliobond		X		
152-0032	Dome Assy.		X		
152-0072	Drift Grid Assy.		X		
152-1003	Lens, Corrector		X		
152-1062	Clip, Corrector Lens		X		
152-1187	Tab, Index		X		
152-1451	Socket, Panel Light TT51A		X	X	Note 2)
152-1456	Socket, Press-To-Test, AN3157-3		X	X	Note 2)
152-1459	Knob, H/Sight Switch No. 70-4-2G(Raytheon)		X	X	Note 2)
152-1505	Solder-Rosin Core 60/40 Alloy, No. 18 SWG. (Kester)		X		
500-1008	Panel, Control		X	X	Note 2)
500-1012	Gear, Nylon Bevel, 32T		X	X	Note 2)
500-1030	Clamp, Synchro		X	X	Note 2)
500-1031	Clip, Pot & Screw No. 4-40 x 3/8 Lg. Fil. HD Screw		X	X	Note 2)
500-1060	Motor, Tracking		X	X	Note 2)
500-1082	Boot, Rubber		X	X	Note 2)
500-1120	Transmitter, Synchro		X	X	Note 2)
500-1121	Amplifier, Servo		X	X	Note 2)
500-1122	Potentiometer, Trimmed		X	X	Note 2)
500-1160	Cover, Resistor Board		X	X	Note 2)
500-1187	Motor, Servo W/Gearhead		X	X	Note 2)
500-1195	Control Transformer		X	X	Note 2)
500-1227	Selector Switch Hind Sight		X	X	Note 2)
500-1255	Switch Selector Mode 4 MK II		X	X	Note 2)
500-1268	Knob Mode Switch		X	X	Note 2)
501-0024	Dome Assembly		X		
501-0061	Intervalometer		X		
501-0085	Relay, Polarized, Sigma 6H x 4C		X		
501-0093	Relay, Weston Sensitrol 1085		X		
501-0096	Time, Indicator		X		
501-1059	Bearing, Fafnir MF5DD-FS6000		X	X	S/B T-10
501-1060	Pin, United Carr 99785-2		X		
501-1061	Stud, United Carr 98264-1-100		X		

Part Number	Description	MK I	Note 3	MK II	Obsolete	Refer
153-1112	Resistor, 1280 Ohms			X		
153-1113	Resistor, Solenoid			X		
153-1114	Resistor, 266 Ohms			X		
153-1115	Resistor, 280 Ohms			X		

The following items should be added to FAK.

151-2146	Diode-Germanium	X				S/B T-8
522-1145	Transistor	X				S/B T-8
522-0099	Intervalometer-Electrical	X				S/B T-14
522-0098	Brake Band Assy.	X		X		S/B T-15
501-1020	Switch V3-601	X		X		S/B T-16
522-0084	Latch, Scan Sprocket Assy.	X				S/B T-17
522-0085	Lever, Scan Sprocket Assy.	X				S/B T-17
522-0086	Lever, Metering Sprocket Assy.	X				S/B T-17
522-0087	Latch, Metering Sprocket Assy.	X				S/B T-17
PK 5100-18	Retaining ring	X				S/B T-17
522-0123	Light source Assy.				X	S/B T-18
501-1105	Spring, metering cam	X		X		
522-1177	Relay-intervalometer	X				
501-0096	Timer Assembly	X				

Letter HD-P-157
Modified HK7314-
50

Note 1) This item is obsolete if the MK I Hand Control is not required.

Note 2) This item is obsolete if the MK II Hand Control is not required.

Note 3) This item appears in the MK II, MK I FAK.